

McLAREN F1 LM ROADCAR – SPECIFICATION

McLaren Automotive

Powertrain >>

Type Number	S 70/2 GTR LM	
Cylinder Arrangement	V12	
Cylinder Angle	60	degrees
Power Output	500 / 680	kW / PS
@	7800	rpm
Max. Torque	703 / 538	Nm / lb.ft
@	4500	rpm
Engine Capacity	6064 / 370	cc / in3
Valves/Cylinder	4	
Bore	86.0 / 3.38	mm / inches
Stroke	87.0 / 3.42	mm / inches
Compression Ratio	11.0:1	
Ignition system	Transistorised system with twelve individual coils.	
Induction system	12 single throttle valves, carbon composite airbox	
Valvetrain	Chain driven double overhead camshaft with continuously variable inlet valve timing.	
Engine Block	Cast aluminium 60 deg V12	
Cylinder heads	4 valves per cylinder cast aluminium alloy	
Flywheel	Aluminium	
Cam Carriers/Covers	cast magnesium	
Lubrication System	Dry sump magnesium casting with scavenge pumps and one pressure pump	
Fuel	95-98 RON	
Oil	10W60	
Cooling System	Twin aluminium water radiators and oil/water heat exchanger.	
Fuel system	90 litre capacity Safety Fuel cell	
Electrics	12V system: 160 amp alternator: Engine ECU	
Transmission	Transverse racing unit with high speed bevel gears and spur final drive All synchro constant mesh 6 Speed Limited slip differential Air/oil radiator with pumped lubrication system/ with pumped dry sump lubrication Straight cut gears Le Mans specification gun drilled driveshaft and tripod CV joint.	
Clutch	Triple plate Carbon/Carbon 200mm (7.87") diameter Remote actuation (hydraulic)	
Steering	Unassisted rack and pinion Two turns lock to lock	

Chassis >>

Front Suspension	Double wishbone, light alloy dampers, co-axial coil springs, anti-roll bar	
Rear Suspension	Double wishbone, light alloy dampers, co-axial coil springs	
Front Tyre	275/35 ZR 18	
Front Wheel	10.85 x 18	inches
Rear Tyre	345/35 ZR 18	
Rear Wheel	13.00 x 18	inches
Tyre Type	Michelin SX-MXX3	

Front Calliper Type	4 pot monobloc light alloy calliper	
Rear Calliper Type	4 pot monobloc light alloy calliper	
Front Brake Disc Type	ventilated	
Rear Brake Disc Type	ventilated	
Front Brake Disc Diameter	332 / 13.07	mm / inches
Rear Brake Disc Diameter	305 / 12.01	mm / inches
Front Brake Disc Thickness	32 / 1.26	mm / inches
Rear Brake Disc Thickness	26 / 1.02	mm / inches
Turns Lock-to-Lock	2	
Parking Brake	Rear, mechanical, light alloy calliper	
Brake Cooling	GTR95 brake cooling system	
Turning Circle	13 / 42.7	m / ft

Body >>

Length	4365 / 171.85	mm / inches
Width	1820 / 71.65	mm / inches
Height	1120 / 44.09	mm / inches
Wheelbase	2718 / 107.01	mm / inches
Front Overhang	1048 / 41.26	mm / inches
Rear Overhang	599 / 23.58	mm / inches
Front Track	1570 / 61.89	mm / inches
Rear Track	1464 / 57.64	mm / inches
Fuel Tank Capacity	90	litres
Kerb Weight	1062 / 2341	kg / lbs
Weight distribution	41.2/58.8	F/R
Aerodynamics	Full underbody ground effect with Le Mans diffuser. Le Mans front body work and rear wing.	